Form 2127

Union Switch & Signal Co.

SWISSVALE, PA.

Subject STYLE "B-10" WELDED STEEL INSTRUMENT CASES.

Noted by A.W.E. APR 4 1940

Union Development

Number 240

Date March 22, 1940

5 Sheets

Style B-10 Instrument cases have been added to an already extensive line of Union welded sheet steel cases to satisfy the following demands for:-

1. Cases of welded construction interchangeable with designs shown on A.A.R. Signal Section Dwgs.1626B, 1627B and 1628B.
2. Cases of welded construction interchangeable with catalog plates L-1135, L-1138, L-1140 and L-1141, and other cases of riveted construction.
3. Cases so ruggedly constructed that cable posts and even signal masts may be mounted thereon.

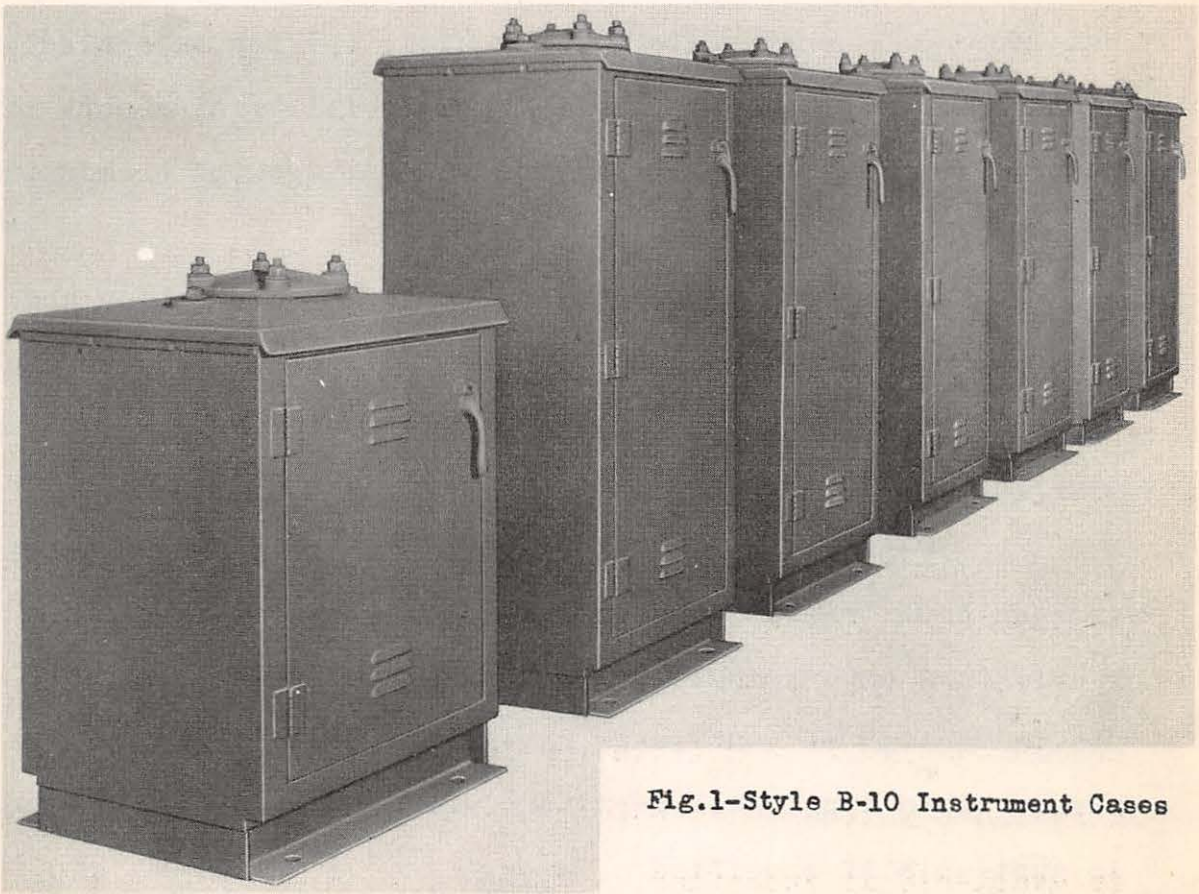

Fig.1-Style B-10 Instrument Cases

CONSTRUCTION

The side walls and doors are constructed of a rust resisting grade of sheet steel. The base frame is made of rust resisting structural angles securely welded together. The top is made of cast iron with steel inserts cast in place so that a continuous welded steel joint may be made with the side walls. All other exposed joints are similarly welded. The welded structure therefore provides a solid wall with no joints or rivets to serve as a place for rust to attack.

The top casting is designed for mounting signal or cable posts of the well-known designs that have been used on our Style B type of case. The top casting is tapped to provide for wire conduit fittings or may be plugged if conduits are not required. When posts are not used, the top is sealed with a weather-proof cap and gasket. Commercial requirements may make it desirable to cast the top with no opening or mounting provision for a post.

Doors are of reinforced channel construction and equipped with one handle to operate two inside latches which close the door securely against the door packing. Provision is made for padlocking the handle.

Ventilators:- Two standard ventilators are provided in each door, one at the top and one at the bottom. These ventilators have removable screens to facilitate cleaning. A special design of ventilator having a removable screen, but of a reversible type which permits closing the ventilator openings, is available if specified.

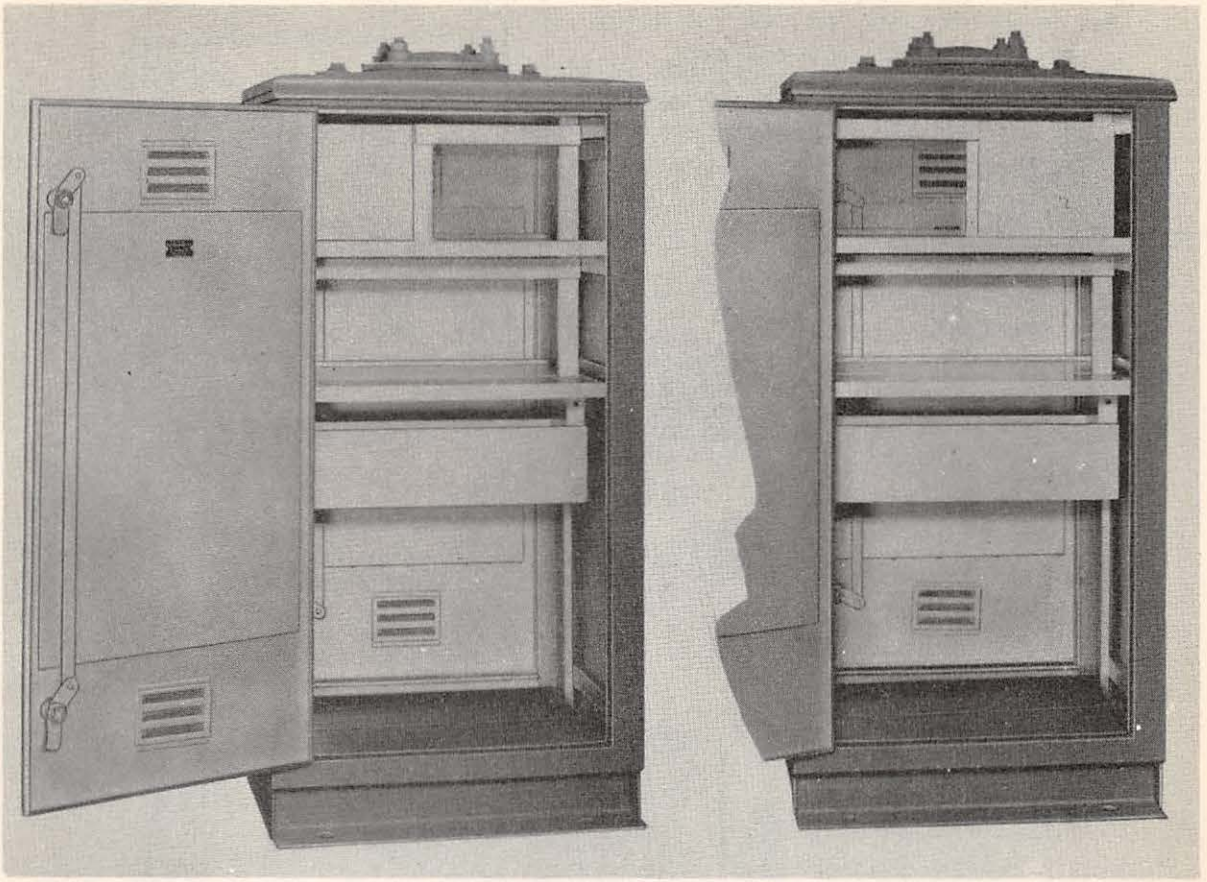

Fig.2 - Front and back view of high double door case fitted with lining.

LINING

Fig. 2 illustrates Style B-10 cases fitted with wood lining and shelves. A large size door permits the disposal of a maximum number of batteries, relays, etc., without handicapping their accessibility. The cases shown have a removable wood floor for batteries to rest on. A metal floor plate is available when preferred.

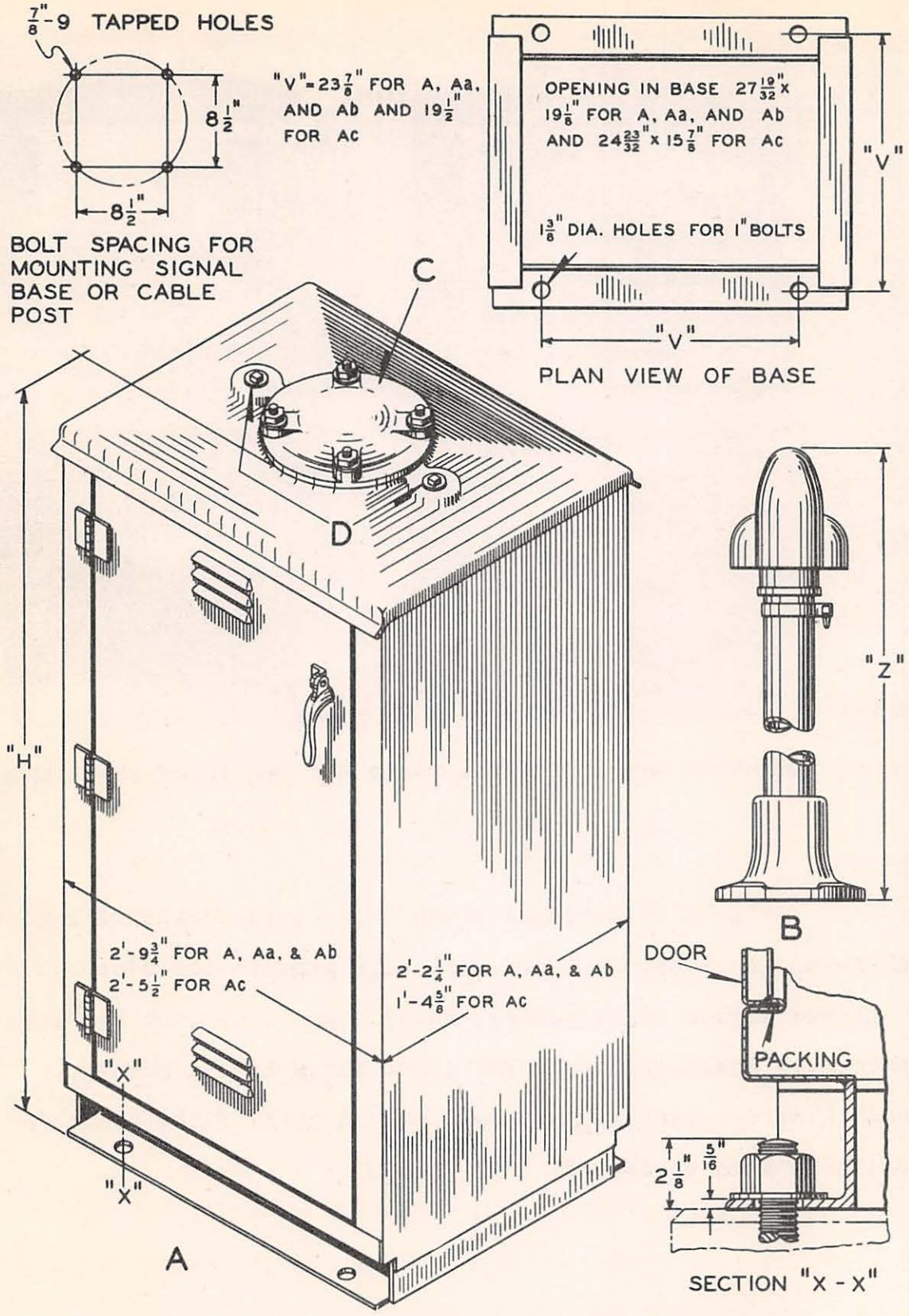

Fig.3 - Ordering Diagram for Style B-10 Instrument Case.

ORDERING INSTRUCTIONS

Ordering references for the standard sizes of Style B-10 Steel Cases, are given in the following table:

Ref.	Dimensions "H" (Fig. 3)	Approx. inside* Width	Approx. inside* Depth	No. of Doors	Similar to A.A.R.(Sig. Sect.) Dwg.	Similar to Catalog Plate	Dwg. D-2500 Sh.
A	3'-6-7/8"	2'-9"	2'- 0"	1	1626-B	L-1135	4
Aa	3'-6-7/8"	2'-9"	1'-10"	2	1627-B	L-1138	3
Ab	5'-6-1/8"	2'-9"	1'-10"	2	1628-B	L-1141	2
Ac	4'-4-3/4"	2'-5"	1'- 3"	1		L-1140	5
This case has 19½" x 19½" foundation bolt spacing.							

* Width and depth dimensions in the tabulation indicate approximate mounting space for apparatus. Door frames as shown in section X-X extend inward, thus making the available inside depth much less than the overall dimension shown on Fig. 3. If lining is used, the inside mounting dimensions will be slightly less than what is given in the tabulation.

Unless otherwise specified Cases will be furnished with:

(a) Cap C, Fig. 3,
(b) no lining,
(c) ventilators as shown,
(d) 1-1/2" Pipe Plugs at D.

If a cable or signal post B is required, specify size of pipe and dimension "Z" Fig. 3. The following post lengths ("Z") when added to various case heights, provide an overall height of 9'-6" which conforms with A.A.R.(Sig.Sect.) drawing 1192A: For cases A and Aa, "Z" = 5'-11-1/8"; for case Ab, "Z" = 3'-11-7/8"; and for case Ac, "Z" = 5'-1-1/4".

If metal floor plate and wire openings are wanted, order should so state, giving location of openings. Otherwise wood floor will be furnished.

H. H. Cadwallader 3/22/40
Vice President & Gen'l. Manager